	Exhibit	P-40, Budget Item Jus	stifica	ation Sheet			Date:		February 2004		
Appropriation / Budget Activity/	Serial No:				P-1 Item Nomencla	ture:					
Procurement, Marine Corps (17	109) / Communications and Electronics	Equipment (4)					M1A	1 Firepower Enhanc	ement		
Program Elements:		Code:		Other Related Prog	ram Elements:						
020621	1M Divisions (Marine)	A									
	Prior Years	FY 20	003	FY 2004	FY 2005	FY 2006	FY 2007	FY 2008	FY 2009	To Complete	Total Prog
Proc Qty				5	148	126	19	79			377
Gross Cost	0.0	0.0)	4.2	36.9	33.2	17.8	23.0	0.0	0.0	115.1
Less PY Adv Proc											
Plus CY Adv Proc											
Net Proc (P-1)	0.0	0.0)	4.2	36.9	33.2	17.8	23.0	0.0	0.0	115.1
Initial Spares	0.0	0.0)	0.0	2.0	2.1	1.3	0.0	0.0	0.0	5.4
Total Proc Cost	0.0	0.0)	4.2	38.9	35.3	19.1	23.0	0.0	0.0	120.5
Flyaway U/C											
Wpn Sys Proc U/C											

M1A1 Firepower Enhancement Program (FEP): The FEP system is a suite of upgrades for the M1A1 Tank. It will include a second-generation thermal sight, a north finding/far target location capability, and an improved eye safe laser range finder. The system will increase the tank crew's ability to detect, recognize, and identify targets. It will integrate current/planned situational awareness systems.

AAO: 403

Firepower Enhancement Systems Funded: 377

Delta: 26 systems

Exhibit P-5, Weapon WPN SYST Cost Analysis		Appropriation/ Bu Procurement		nunications and Elec		P-1 Line Item No M1A1 Fir	menclature: epower Enhancen		Weapon System	Туре:		ruary 2004
Weapon System	ID				FY 03			FY 04			FY 05	
Cost Elements	CD			TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost	TotalCost	Qty	UnitCost
	+			\$000	Each	\$	\$000	Each	\$	\$000	Each	\$
Hardware FEP System							1426	5	285154	31933	148	215763
Refurbishment of 5 FEP Systems*							461		92246			
System Engineering Support							125			2739		
Government Engineering Services							200			299		
Program Management Support							244			910		
Installation of FEP system												
Integrated Logistics Support (Training Equip, Common Support Equip, and Peculiar Support Equip)										992		
Technical Documentation							150					
LRIP Testing and Evaluation (Training and IOT&E)							1585					
TOTAL ACTIVE RESERVE							4191 4191			36873 36873		
*5 systems being refurbished are same systems being procured with FY04 PMC funds and are 5 of the total 377.												

Exhibit P-5a, Budget Procuremen	nt History a	nd Planning						February 1	2004	
/ Communications and Electronics Equipment (4)			•							
Contractor and Location	Contract Method and Type	Location of PCO	Award Date	Date of First Delivery	QTY Each	Unit Cost	Specs Avail?	Date Revsn Avail	RFP Issue Date	
Production Contract to be Awarded for FY04-FY09	FFP	MARCORSYSCOM, Quantic	Oct-03	Mar-04	5	285154	N/A	N/A	N/A	
7.warded 161 1 164 1 165	FFP	MARCORSYSCOM, Quantic	Feb-05	Nov-05	148	215763	N/A	N/A	N/A	
	/ Communications and Electronics Equipment (4) Contractor and Location	/ Communications and Electronics Equipment (4) Contractor and Location Contract Method and Type Production Contract to be Awarded for FY04-FY09	Contract Method and Type Production Contract to be Awarded for FY04-FY09 Contract Method and Type FFP MARCORSYSCOM, Quantic	/ Communications and Electronics Equipment (4) Contractor and Location Contract Method and Type Production Contract to be Awarded for FY04-FY09 Weapon System Type: Contract Method and Type MARCORSYSCOM, Quantic Oct-03	/ Communications and Electronics Equipment (4) Contract Contract and Location Contract Method and Type P-1 Line Item Contract Date of First Delivery Production Contract to be Awarded for FY04-FY09 Weapon System Type: P-1 Line Item P-1 Line Item P-1 Line Item Award Date Date of First Delivery	Weapon System Type: Communications and Electronics Equipment (4) P-1 Line Item Nomenclature M1 Contractor and Location Contract Method Location of PCO Award Date Date of First QTY Delivery Each Production Contract to be Awarded for FY04-FY09 FP MARCORSYSCOM, Quantic Oct-03 Mar-04 5	Exhibit P-5a, Budget Procurement History and Planning Weapon System Type: Communications and Electronics Equipment (4) Contractor and Location Contract Method and Type Production Contract to be Awarded for FY04-FY09 Procurement History and Planning Weapon System Type: P-1 Line Item Nomenclature: M1A1 Firepower Enhance Mary Unit Cost Delivery Each \$ 285154	Weapon System Type: Communications and Electronics Equipment (4) Contract or and Location Contract or Method and Type Production Contract to be Awarded for FY04-FY09 Weapon System Type: P-1 Line Item Nomenclature: M1A1 Firepower Enhancement Date of First OTY Unit Cost Specs Avail? Production Contract to be Awarded for FY04-FY09 Production System Type: P-1 Line Item Nomenclature: M1A1 Firepower Enhancement Oct-03 Mar-04 5 285154 N/A	Exhibit P-5a, Budget Procurement History and Planning Weapon System Type: Communications and Electronics Equipment (4) Contractor and Location Contract Method and Type P-1 Line Item Nomenclature: M1A1 Firepower Enhancement M1A1 Firepower Enhancement Award Date of First QTY Unit Cost Revsn Avail? Delivery Each \$ Production Contract to be Awarded for FY04-FY09 Production FFP MARCORSYSCOM, Quantic Oct-03 Mar-04 5 285154 N/A N/A	

Firepower Enhancement Program MODIFICATION TITLE: MODELS OF SYSTEMS AFFECTED: M1A1 Tank DESCRIPTION / JUSTIFICATION: FEP will allow the tank to engage targets faster, at ranges approximately twice as far as the current system, and in all weather and battlefield conditions. The likelihood of fratricide will be reduced due to the ability to identify targets at longer ranges. Indirect fire systems and close air support wil be improved by FEP's ability to provide target grid information quickly (less than one second) and accurately (within 80 meters Circular Error Probable (CEP). The far target location capability currently does not exist on the tank. The eye safe laser range finder will allow crews to train with the fire control system and far target locator anywhere safely. DEVELOPMENT STATUS / MAJOR DEVELOPMENT MILESTONES: Milestone II/B - 22 April 02 IOT&E - Apr 04 Milestone C - Sep 04 Production Option Award - Planned Feb 05 Installation Schedule: Pr Yr FY 2003 FY 2004 FY 2005 Totals Inputs Outputs FY 2006 FY 2007 FY 2008 FY 2009 То Totals Complete Inputs 30 13 31 42 28 40 38 12 11 377 Outputs 15 29 36 13 15 METHOD OF IMPLEMENTATION: FFP PRODUCTION LEADTIME: ADMINISTRATIVE LEADTIME: Months Months

February 2004

Date

INDIVIDUAL MODIFICATION

Delivery Date: LRIP (5 units) delivered 5 months after award. Deliveries begin 10 months after award of each production contract.

Contract Dates: Oct 03 - Apr 09

INDIVIDUAL MODIFICATION Date February 2004 MODIFICATION TITLE (Cont): FINANCIAL PLAN: (\$ in Millions) FY 2002 FY 2003 FY 2004 FY 2005 FY 2006 FY 2007 FY 2008 FY 2009 TC TOTAL Qty Qty \$ Qty \$ Qty \$ Qty \$ Qty Qty \$ Qty Qty Qty RDT&E 04.656 5.952 10.608 PROCUREMENT Kit Quantity 1.426 148 126 19 79 377 01.426 31.933 27.929 5.007 18.873 83.742 Inst Kits, Nonrecurring Equipment, Nonrecurring Refurb 5 FEP Sys 0.461 0.461 ECO Other LRIP Testing & Evaluation 1.577 1.577 Documentation 0.150 0.150 Govt Eng Services 0.177 0.299 0.295 0.443 0.459 1.673 0.525 3.305 Program Management 0.275 0.910 0.789 0.806 3.660 Retrofit Kits 3.660 CLS (Reapir Facility) 5.150 5.150 Integrated Logistics Spt 0.992 0.989 0.834 2.815 (Training Equip, Common Spt Equip, and Peculiar Spt Equip) Systems Eng Support 0.125 2.739 2.813 1.877 2.552 10.106 nstallation of Hardware FY 2000 Eqpt -- Kits FY 2001 Eqpt -- Kits FY 2002 Egpt -- Kits FY 2003 Eqpt -- kits FY 2004 Eqpt -- kits FY 2005 Eqpt -- kits FY 2006 Eqpt -- kits 98 0.353 98 0.353 FY 2007 Eqpt -- kits 0.306 114 0.306 114 FY 2008 Eqpt -- kits 0.290 127 0.290 127 FY 2009 Eqpt -- kits 38 38 Installment Cost 0.353 0.306 0.290 377 0.949

Bli No. 209500 Item No. 6 Page 5 of 7 Exhibit P-3a Individual Modification

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17.802

22.980

115.100

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4.191

Total Procurement Cost

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